

## Subcon Subgroup Meeting Minutes for July 1996

- Casey Ruud, DOE-TWRS, has been invited to be member of the STCG. His interest is tied to vadose zone contamination.
- In Situ Treatment Zone (ISTZ) - Dave Olson

Mr. Olson provided an update on the ISTZ to the subgroup. As a result of comments received from the previous treatability test plan, the project performed a planning workshop with the regulators and stakeholders. The purpose of the workshop was to provide the participants with a better understanding of the project's objectives. A revised Treatability Test Plan has been prepared, and will be issued for public review in Mid-August. The current schedule shows construction of the trench being completed in February-March 1997, and test completion in March 1998.

The subgroup agreed that any review of the Treatability Test Plan will be performed within their own organization. Mr. Olson will be invited back to provide updates on the construction and treatability test throughout the upcoming year.

- In situ Redox Manipulation Field Injection Test Report - John Fruchter

Mr. Fruchter handed out the draft test report for review by the subgroup. Comments were requested by August 7th and should be provided to Donna Wanek. The goal is to complete comment resolution and issue a final report by the end of the fiscal year.

- In situ Bioremediation - Mike Truex

A proposal was submitted to model the carbon tetrachloride remediation that could be performed using bioremediation versus the pump and treat in the 200 Area of the Hanford Site. The task is expected to take about six months. The subgroup agreed that the proposal should be implemented.

A concern was identified in that the information resulting from the modeling needs to be carefully evaluated prior to making any significant changes to the current remediation strategy. Additional information will be provided during the August subgroup meeting.

- ResonantSonic Drilling - Donna Wanek

The subgroup discussed their comments on the Peer Review Report on ResonantSonic drilling. There appear to be several disconnects between the report and at least one panel member's evaluation of the technology. Donna Wanek took an action to set up a separate meeting with the report editor and the interested subgroup members to resolve the inconsistencies. The meeting is not expected to take place until September.

- NABIR - Mary Peterson

Ms. Peterson was not available to attend the meeting, but provided the following update: The science team leaders have been selected. DOE-HQ is still evaluating whether a programmatic EIS will be required. The field research centers are being examined relative to this EIS and this will very likely delay the announcement and request for interest for the field research center. The delay is expected to be many months.

- ENVIRONMENTAL MANAGEMENT SCIENCE PROGRAM

The subgroup discussed their impressions from the Keystone workshop held in June. The following needs were then identified as potential technologies for basic research:

- removal of  $H^{+3}$ ,  $CCl_4$ ,  $I^{-129}$  from groundwater
- movement of contaminants through vadose zone (unknown within risk scenarios/strategies) long term monitoring
- sonic resistive - cross bore-hole geophysics for characterization
- non-invasive characterization methods
- dense non-aqueous phase liquids (DNAPLs) identification and treatment technologies

The initial \$50M budgeted for this program has been split as follows:

\$20M - universities

\$20M - labs

\$10M - private industry

- Communications Plan - Gary Ballew

The plan was provided to all subgroup members. Comments should be provided to Mr. Ballew by August 17, 1996.

Agenda for next meeting

In situ Redox - comments - subgroup

Bioremediation - partitioning - Mike Truex

NABIR - Mary Peterson

Portable Selective - Jim Hanson

Intro presentation for electro-kinetics - Kim Koegler

Handouts will sent by request only:

1. In Situ Redox Manipulation Field Injection Test Report - Hanford 100 H Area
2. Evaluation of In Situ Bioremediation as a Treatment Technology for the Hanford Carbon tetrachloride Plume
3. ETP Memo - Draft of Subgroup Communication Plan
4. DOE Memo - Solicitation for Program/Site Specific Environmental Management Science Program Needs
5. Fax Memo Cobbs Engineering - Comments on ResonantSonic Drilling
6. In Situ Treatment Zone Treatability Test

Actions:

1. Stan Sobczyk/Paul Danielson - Trip report in September from Bethany Corp. tour.
2. Mike Truex - Partitioning Coefficient and modeling. Use of the information.
3. ResonantSonic Peer Review: Donna Wanek is to set up a meeting for further discussion of the report submitted to the subgroup.